

**RECEIVED
CENTRAL FAX CENTER**

Application No. 09/736,232
Amendment dated February 2, 2006
Reply to Office Action of November 2, 2005

FEB 02 2006

Docket No.: 65856-0025
00-TRN-005

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of determining at least one of a torsional acceleration and an inertia of a vehicle driveline configuration comprising the steps of entering measurements for the vehicle driveline configuration into a graphical user interface program; and
determining an inertia of the vehicle driveline.
2. (Currently Amended) The method of Claim 1, further including the step of selecting the a representative vehicle driveline configuration from a plurality of driveline configurations prior to entering measurements of the vehicle driveline configuration into the graphical user interface program.
3. (Original) The method of Claim 1, wherein the graphical user interface program includes a corrective mode for enabling a user to interactively change the entered measurements of the vehicle driveline configuration to determine one of the torsional acceleration and the inertia of the vehicle driveline configuration.
4. (Original) The method of Claim 1, further including the step of printing a worksheet to aide a user in entering of the measurements for the vehicle driveline configuration.
5. (Original) The method of Claim 1, further including the step of printing results from the determination of one of the torsional acceleration and the inertia for the vehicle driveline configuration.

Application No. 09/736,232
Amendment dated February 2, 2006
Reply to Office Action of November 2, 2005

Docket No.: 65856-0025
00-TRN-005

6. (Original) The method of Claim 1, further including the step of saving results from the determination of one of the torsional acceleration and the inertia for the vehicle driveline configuration as an image file.

7. (Currently Amended) A method of diagnosing and correcting driveline angles and lengths of components of a vehicle driveline, comprising the steps of:

selecting a representative vehicle driveline from a plurality of saved driveline configurations;

entering measurements of the vehicle driveline into a graphical user interface program;

determining one of a torsional acceleration and an inertia of the vehicle driveline based on the entered measurements of the driveline angles and lengths of the components; and

enabling a user to interactively change the entered measurements of the vehicle driveline to determine one of the torsional acceleration and the inertia of the vehicle driveline.

8. (Canceled)

9. (Original) The method of Claim 7, further including the step of printing a worksheet to aide a user in entering of the measurements for the vehicle driveline.

10. (Currently Amended) The method of Claim 7, further including the step of printing results from the determination ~~of one of the torsional acceleration and the inertia for the vehicle driveline configuration.~~

Application No. 09/736,232
Amendment dated February 2, 2006
Reply to Office Action of November 2, 2005

Docket No.: 65856-0025
00-TRN-005

11. (Currently Amended) The method of Claim 7, further including the step of saving results from the determination of one of the torsional acceleration and the inertia for the vehicle driveline configuration as an image file.

12. (Currently Amended) A method of determining one of a torsional acceleration and a driveline inertia of a desired vehicle driveline configuration, comprising the steps of:

selecting a vehicle driveline configuration from a plurality of driveline configurations;

entering measurement data for the desired selected vehicle driveline configuration;

determining one of the torsional acceleration and the driveline inertia of the desired selected vehicle driveline configuration; and

displaying one of the torsional acceleration and the a driveline inertia of the desired selected vehicle driveline configuration.

13. (Currently Amended) The method of Claim 12, further including the step of enabling a user to interactively change the entered measurements of the desired vehicle driveline configuration to determine a different one of the torsional acceleration and the inertia of the vehicle driveline configuration.

14. (Currently Amended) The method of Claim 12, further including the step of printing a worksheet to aide a user in entering of the measurements for the desired selected vehicle driveline configuration.

Application No. 09/736,232
Amendment dated February 2, 2006
Reply to Office Action of November 2, 2005

Docket No.: 65856-0025
00-TRN-005

15. (Currently Amended) The method of Claim 12, further including the step of printing results from the determination of one of the torsional acceleration and the inertia for the desired vehicle driveline configuration.

16. (Currently Amended) The method of Claim 12, further including the step of saving results from the determination of one of the torsional acceleration and the inertia for the desired vehicle driveline configuration as an image file.

17. (New) The method of Claim 1, further comprising selecting a representative vehicle driveline from a plurality of saved driveline configurations, wherein the step of selecting includes comparing a picture of a selectable driveline configuration to the vehicle driveline.

18. (New) The method of Claim 7, wherein the step of selecting includes comparing a picture of a selectable driveline configuration to the vehicle driveline.

19. (New) The method of Claim 12, wherein the driveline inertia is a drive inertia.

20. (New) The method of Claim 12, wherein the driveline inertia is a coast inertia.

21. (New) The method of Claim 12, further comprising selecting a representative vehicle driveline from a plurality of saved driveline configurations.